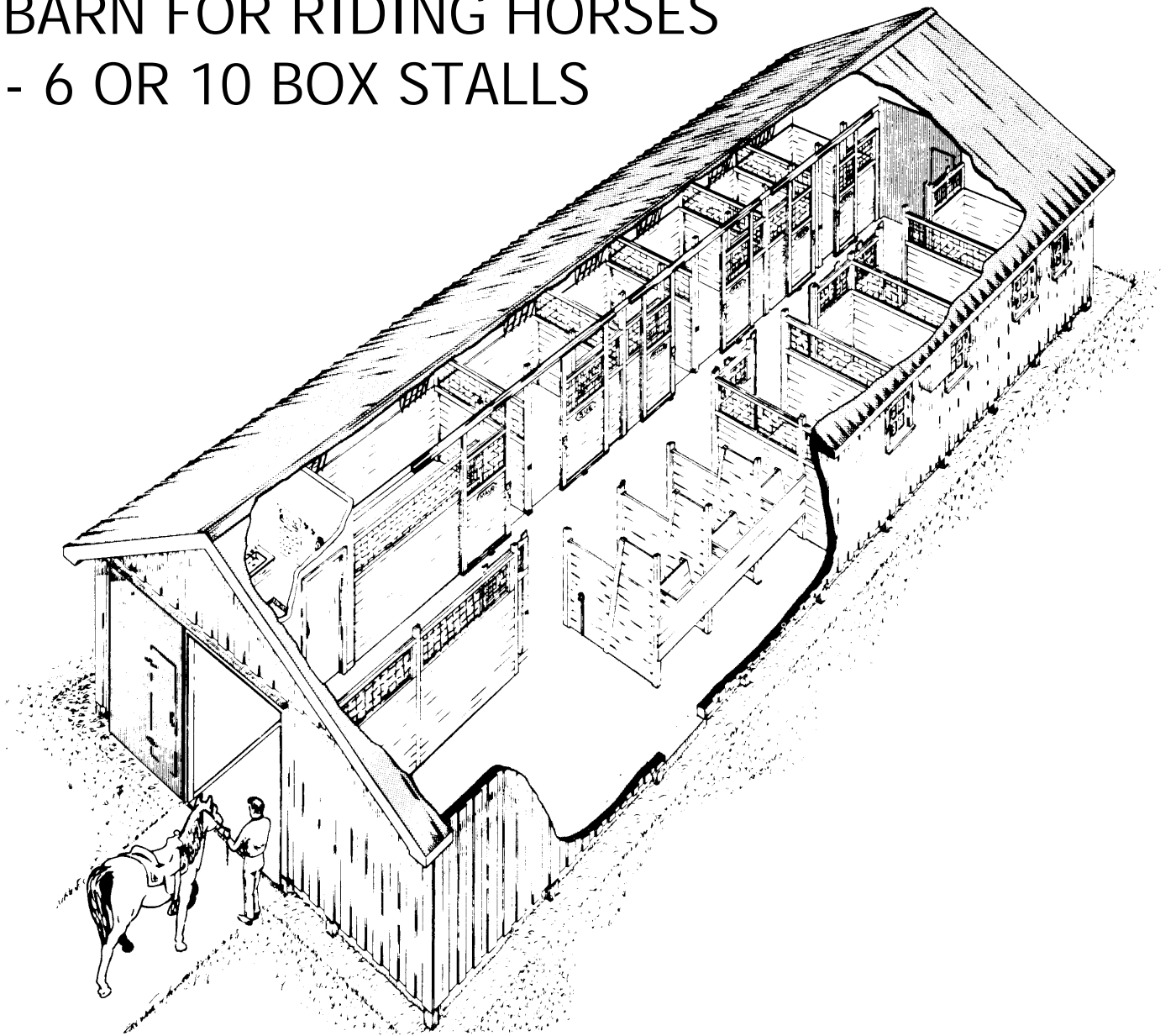


# BARN FOR RIDING HORSES - 6 OR 10 BOX STALLS



The Canada Plan Service prepares detailed plans showing how to construct modern farm buildings, livestock housing systems, storages and equipment for Canadian Agriculture.

This leaflet gives the details for a farm building component or piece of farmstead equipment. To obtain another copy of this leaflet, contact your local provincial agricultural engineer or extension advisor.

## PLAN 8202

### BARN FOR RIDING HORSES - 6 OR 10 BOX STALLS

This plan is for a single story barn for light horses. It is a larger version of plan 8201, with box stalls on both sides of a central passage. The construction is well-insulated post frame with a 36-foot clear-span truss roof, and is designed to keep the riding horses in a dry comfortable environment free from drafts and extremes of temperature. The central work alley is 10 feet wide for easy and safe horse-handling.

The floor plan gives two options, 56 feet long for 6 box stalls plus a larger foaling pen, or 176 feet long for 10 box stalls plus foaling pen. One tie stall is shown, and an adjacent box stall can be divided into two more tie stalls if desired.

#### Box Stalls

Box stalls 10 ft. x 12 ft. 8 in. feature plank walls and earth floors. Alternative flooring is planking, asphalt, or concrete. The upper portion of the partitions and doors are made of heavy welded wire mesh. The suggested layout in the box stall provides for a corner manger, heavy screw eye in wall for grain and water bucket, and mineral bowl. Four-foot sliding doors open from each box stall into the central work alley.

#### Tie Stalls

Stall partitions are of plank construction and floors may be asphalt, concrete, or plank-on-concrete. A built-in plank manger has compartments for hay and grain feeding. Stalls are 5 feet wide and about 9 feet long including manger; the stall length may be adjusted by varying the width of the feed passage in front.

#### Feed Room

The feed room has an outside door for unloading feed and bedding and an inside door to the work alley. Space is provided for about 150 bales of hay and straw and about a ton of grain. Feed room walls are built to match the box stalls.

#### Tack Room

A tack room 10 x 12 ft. provides important storage for horse equipment and supplies. The room is insulated, so if it is also to be used as an office, a small electric space heater can be added.

#### Ventilation

For warm weather, ventilation can be adjusted by opening doors and windows. In cold weather however, exhaust fans work better since they can be controlled by thermostats, for automatic temperature control. Three fans are shown for the 10-box-stall barn, to provide stepped ventilation rates for different weather conditions.

Three air inlets with adjustable baffles spread fresh air across the ceiling for draft-free winter ventilation, and a ventilation heating schedule gives fan sizes, thermostat settings and inlet adjustments for best results. In summer, the ceiling baffles are closed.

#### Manure Handling and Storage

The 10-foot work alley with large sliding doors at each end make it easy to load manure directly into trailer, truck or spreader.

Check local regulations for storage and disposal of manure. If regulations do not exist, consider the following recommendations

- Dispose of manure daily when possible.
- Provide temporary storage for manure that cannot be disposed of daily; this requires at least two cubic feet of storage per horse per day.
- Locate the storage in an approved or safe area for convenient removal, away from any water source and out of natural drainage channels.
- Empty the storage at least weekly during fly breeding season (spring temperatures above 65°F until the first killing frost in the fall) .
- Keep all runoff that may be polluted with animal waste from reaching usable or public waters.